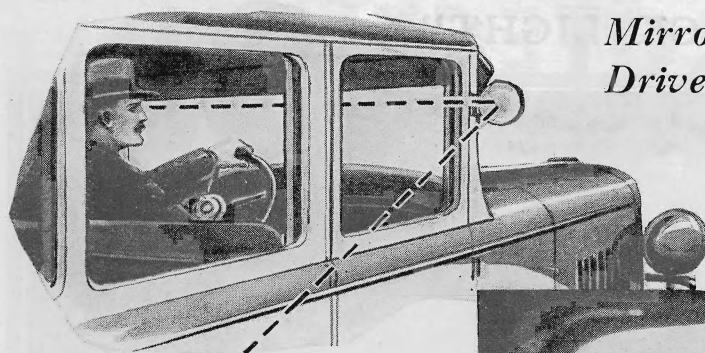
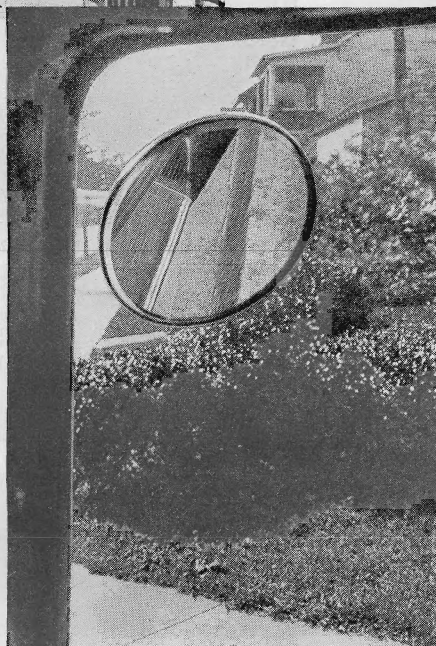


Hints Useful to Motorists

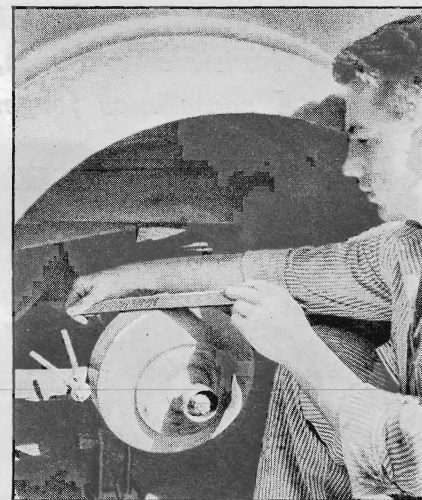


Mirror Mounted on Front Door Gives Driver Helpful Rear View in Parking

Drawing at left shows how mirror is mounted on front door hinge to show curb. Photo below gives view as seen from driver's seat

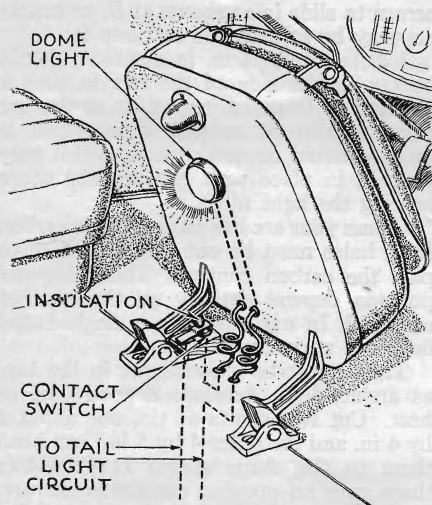


MOUNTED on the upper hinge of the right-hand front door of your car, a rear vision mirror can be so adjusted that it will show you the clearance between the running board and the curb when you are parking. Although an ordinary door-hinge mirror of the plate glass type is shown in the photograph at the right, a much wider view can be obtained if a curved, broad-vision mirror is used. A mirror adjusted this way will also aid the driver in traffic.



Filing Your Brakes

EXTERNAL brakes that have become scored and grooved through long use often can be put back into first class shape with a coarse file. Jack up one wheel and remove the brake bands. Then, with the gear shift lever in high and the motor running a trifle faster than ordinary idling speed, apply the file (a twelve-inch fender file preferred) to the spinning drum in the manner shown in picture above. Sandpaper and steel wool can be used for the finishing touches.



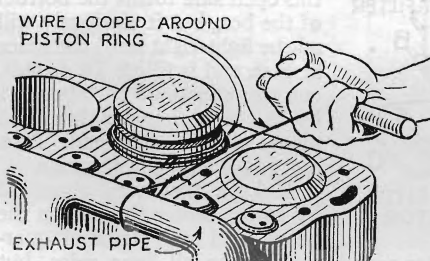
Floor Light for Car

TIPPING up the movable front seat on a two-door sedan wired according to the sketch shown above, automatically floods the floor and rear seat with light. The light, of the usual dome light type, is fitted into the underside of the seat and connected into the tail light circuit by means of two contacts, one on the seat and one on the floor. These are so arranged that they touch only when the seat is fully raised. Being connected into the lighting circuit, the device does not operate during the day when the other lights are not being used.

Fitting Piston Rings

AMATEUR mechanics, who have no special tools, can spring new piston rings into place by means of a loop of strong wire. The wire is anchored at one end to an exhaust pipe and then looped around the ring to be compressed. A suit-

able wooden handle, fastened to the other end of the wire, provides a convenient grip for pulling the wire. The tightened loop compresses the ring so it will slide easily into the cylinder. By pushing the piston down, the loop can be placed over the next ring and the process repeated.



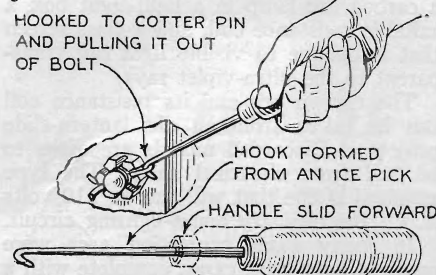
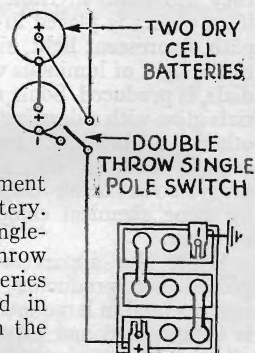
Wire fastened to exhaust pipe and then looped around piston ring compresses it to fit cylinder

Making a Cotter Pin Puller from an Ice Pick

ALTERING an ice pick of the sliding-handle variety, converts it into an efficient cotter pin puller. First, cut off about one inch of the pick and grind it to a blunt point. Then anneal the tip by heating it to a cherry red, bend the hook, and harden it by reheating and dipping it in water. In use, the hook is placed in the eye of the cotter pin, the handle slid forward and then jerked back. When removing heavy cotter pins it may be necessary slightly to open the split ends so that they can be pulled out.

For Quick Starting

QUICKER starting in cold weather can be obtained if two dry batteries connected in series are used to supplement the storage battery. By means of a single-pole, double-throw switch the batteries can be connected in and cut out when the motor turns over.



Heating and bending the point of an ice pick, converts it into handy tool to pull cotter pins